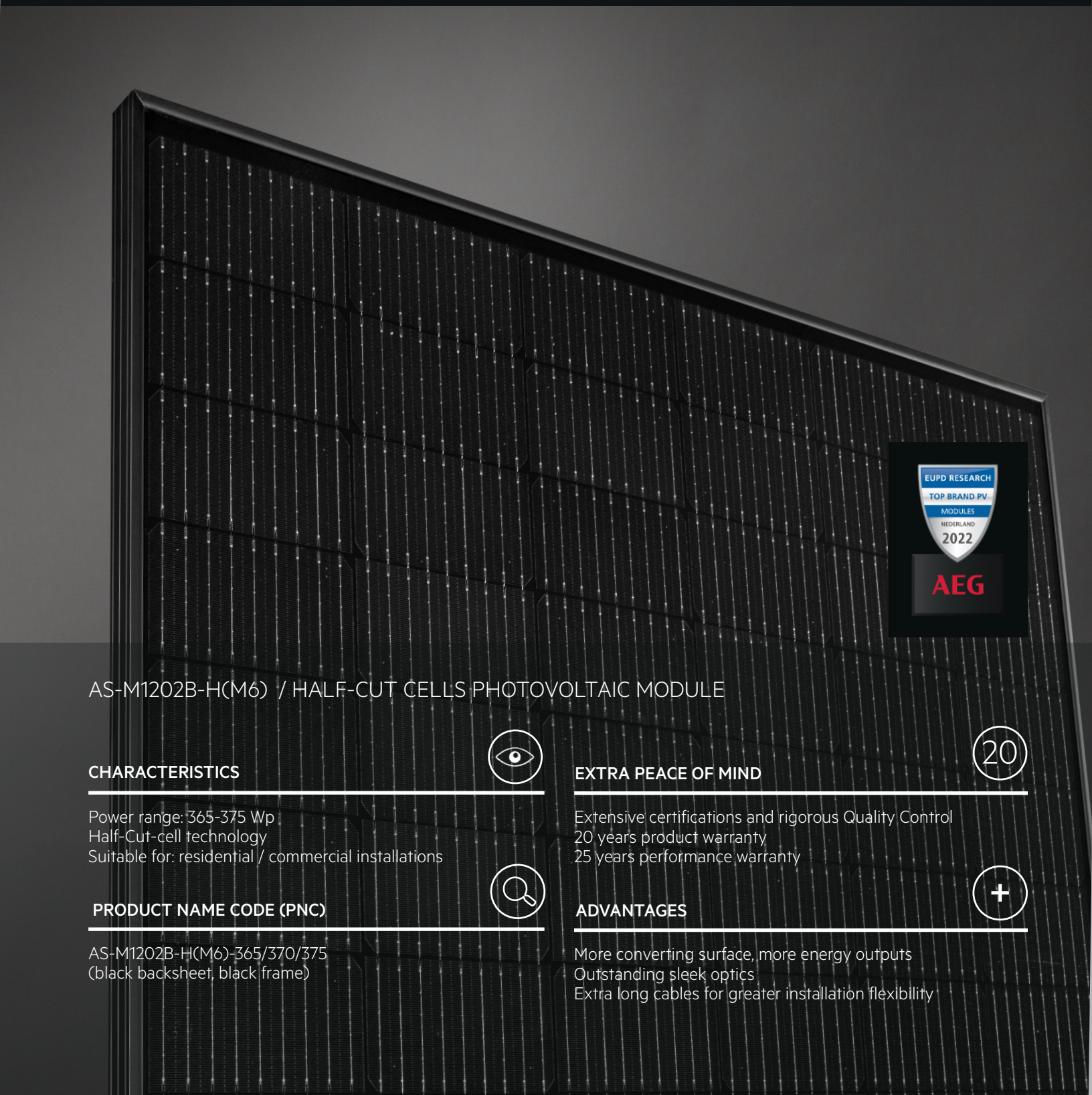
AEG

AEG HIGH EFFICIENCY SERIES



AS-M1202B-H(M6) / HALF-CUT CELLS PHOTOVOLTAIC MODULE

CHARACTERISTICS

Power range: 365-375 Wp
Half-Cut-cell technology
Suitable for: residential / commercial installations

PRODUCT NAME CODE (PNC)

AS-M1202B-H(M6)-365/370/375
(black backsheet, black frame)

EXTRA PEACE OF MIND

20

Extensive certifications and rigorous Quality Control
20 years product warranty
25 years performance warranty

ADVANTAGES

More converting surface, more energy outputs
Outstanding sleek optics
Extra long cables for greater installation flexibility

AS-M1202B-H(M6) / HALF-CUT CELLS PHOTOVOLTAIC MODULE

PRODUCT SERIES & NAMECODE (PNC)
AEG HIGH EFFICIENCY SERIES
AS-M1202B-H(M6)-365/370/375
black frame, black backsheet

CERTIFICATIONS		
System	ISO 9001, ISO 14001, ISO 45001	
Product	IEC 61215-1:2016, IEC 61215-1-1:2016, IEC 61215-2:2016, IEC 61730-1/-2:2016, EN 61215-1:2016, EN 61215-1-1:2016, EN 61215-2:2017, EN IEC 61730-1/-2:2018, EN IEC 61730-1/-2:2018/AC:2018-06	

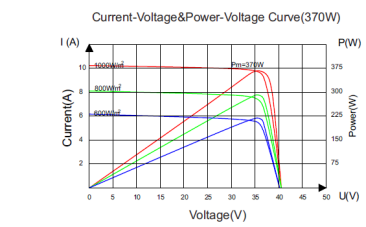
ELECTRICAL CHARACTERISTICS AT STC[1,2]				
Nominal Power (Pmax)	[Wp]	365	370	375
Power Sorting[3]	[W]	-0/+5	-0/+5	-0/+5
Maximum Power Voltage (Vmp)	[V]	34.02	34.17	34.32
Maximum Power Current (Imp)	[A]	10.73	10.83	10.93
Open Circuit Voltage (Voc)	[V]	41.81	41.96	42.11
Short Circuit Current (Isc)	[A]	11.18	11.29	11.40
Module Efficiency (ηm)	[%]	20.04	20.31	20.59
Maximum System Voltage	[V]	1000	1000	1000
Series Fuse Maximum Rating	[A]	20	20	20

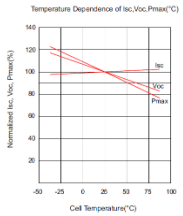
WARRANTIES		
Product warranty[5]	[years]	20
Performance warranty (linear)[6]	[years]	25

TEMPERATURE CHARACTERISTICS		
NMOT	[°C]	42 (±3)
Pmax Temp. Coefficient (γ)	[%°C]	-0.365
Voc Temp. Coefficient (β)	[%°C]	-0.27
Isc Temp.Coefficient (α)	[%°C]	0.038
Operating temperature	[°C]	–40~+85

ELECTRICAL CHARACTERISTICS AT NMOT[4]				
Maximum Power (Pmax)	[W]	270.8	274.6	278.3
Maximum Power Voltage (Vmp)	[V]	31.02	31.15	31.29
Maximum Power Current (Imp)	[A]	8.73	8.81	8.90
Open Circuit Voltage (Voc)	[V]	39.14	39.28	39.42
Short Circuit Current (Isc)	[A]	9.01	9.10	9.19

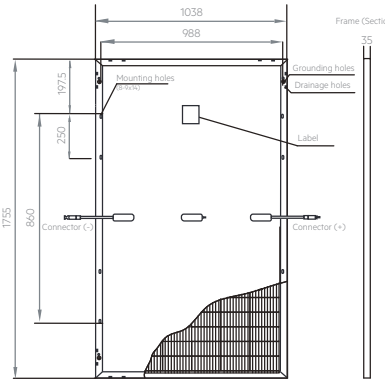
I/V CURVES - IRRADIANCES

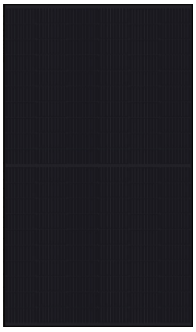




MECHANICAL CHARACTERISTICS		
Solar cells	monocrystalline [pcs]	120
	Dimensions [mm]	M6 Half-cut [166 x 83]
Front glass	high-transparency	
	Thickness [mm] / [in]	3.2 / 0.126
Backsheet	Black	
Encapsulant	EVA	
Frame	Anodized aluminum alloy	Black
Junction box	Split-type, IP68	
	Bypass diodes	3
UV-resistant cables	Length [mm] / [in]	1400 / 55.12
	Section [mm²]	4
Connectors	MC4	
Dimensions	H x L x W [mm]	1755 x 1038 x 35
	H x L x W [in]	69.09 x 40.86 x 1.37
Weight	[kg] / [lbs]	21.0 / 46.3
Maximum load	Wind / Snow [Pa]	2400 / 5400
Fire Class	Class C	

TECHNICAL DRAWINGS





PACKAGING		
Packing configuration	[pcs/pallet]	31
Loading capacity	[pcs/40 ft container]	806

NOTES

1-Standard Test Conditions (STC): Irradiance 1000 W/m², Air Mass AM = 1.5, Cell Temperature 25°C)

2-Measurement tolerances (IEC 61215:2016): Pmax±3%, Voc±3%, Isc±4%

3-Electrolux photovoltaic modules are classified according to a principle of positive power tolerance: the Power Output measured at STC of the delivered modules exceeds their assigned Nameplate Nominal Power

4-NMOT: Nominal operating temperature of module, Irradiance 800 W/m², Wind Speed 1m/s; Ambient Temperature 20°C, Air Mass AM=1.5

5-EXTENDED / Full text of the Warranty Terms available at: www.solarsolutions-ws.com. The Extended Warranty is a separate offer. If not offered by your distributor, the standard warranty conditions apply.

6-(HE/GB) No less than 98% of the minimum "Peak Power at STC"in the first year; power output decline no more than 0.55% per year thereafter, ending with 84.8%.

Dimensions in the technical picture are expressed in mm with tolerance ±2 mm (±0.079 ") / Version 2022.11.V1 EN

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VDH SOLAR

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